

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY112520\
 Data File : VY003618.D
 Acq On : 25 Nov 2020 12:27
 Operator : SY/MD
 Sample : VSTD2.534
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD2.5403

Manual Integrations
 APPROVED

MMDadoda
 11/27/2020 10:55:55 AM

Quant Time: Nov 26 04:46:22 2020

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SFAMYL112520SMA.M

Quant Title : VOC Analysis

QLast Update : Thu Nov 26 04:40:31 2020

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.69	114	237404	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	220455	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.42	152	110330	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	9776	2.87	ug/L	0.00
7) Chloroethane-d5	2.77	69	7696	2.92	ug/L	0.00
11) 1,1-Dichloroethene-d2	3.86	63	16904	2.57	ug/L	0.00
21) 2-Butanone-d5	6.90	46	5909m	4.62	ug/L	0.00
24) Chloroform-d	7.49	84	16251	2.61	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.15	65	8795	2.52	ug/L	0.00
32) Benzene-d6	8.12	84	33390	2.59	ug/L	0.00
36) 1,2-Dichloropropane-d6	9.12	67	10048	2.61	ug/L	0.00
41) Toluene-d8	10.18	98	28147	2.44	ug/L	0.00
43) trans-1,3-Dichloropropene-	10.43	79	4530	2.43	ug/L	0.00
47) 2-Hexanone-d5	10.79	63	3938	4.11	ug/L	0.00
56) 1,1,2,2-Tetrachloroethane-	12.56	84	9852	2.56	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	13.72	152	10665	2.67	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	7089	2.499	ug/L	95
3) Chloromethane	2.11	50	8868	2.740	ug/L	99
5) Vinyl chloride	2.26	62	8504	2.460	ug/L	98
6) Bromomethane	2.66	94	5403	2.357	ug/L	91
8) Chloroethane	2.80	64	5223	2.528	ug/L	98
9) Trichlorofluoromethane	3.13	101	13266	2.538	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	3.91	101	8117	2.478	ug/L #	82
12) 1,1-Dichloroethene	3.88	96	7542	2.445	ug/L #	75
13) Acetone	3.97	43	5487	5.266	ug/L	78
14) Carbon disulfide	4.21	76	26572	2.529	ug/L	99
15) Methyl Acetate	4.50	43	5671m	2.537	ug/L	
16) Methylene chloride	4.73	84	20327	4.296	ug/L	94
17) trans-1,2-Dichloroethene	5.23	96	7499	2.242	ug/L	95
18) Methyl tert-butyl Ether	5.23	73	19381	2.352	ug/L #	82
19) 1,1-Dichloroethane	6.03	63	14009	2.407	ug/L	98
20) cis-1,2-Dichloroethene	7.00	96	8439	2.360	ug/L	99
22) 2-Butanone	7.01	43	8479	5.383	ug/L	94
23) Bromochloromethane	7.35	128	4048	2.312	ug/L	89
25) Chloroform	7.51	83	14852	2.539	ug/L	93
27) 1,2-Dichloroethane	8.24	62	9714	2.500	ug/L	99
29) Cyclohexane	7.79	56	11994	2.258	ug/L #	92
30) 1,1,1-Trichloroethane	7.71	97	12512	2.394	ug/L	97
31) Carbon tetrachloride	7.90	117	12197	2.575	ug/L	95
33) Benzene	8.17	78	33842	2.499	ug/L	100
34) Trichloroethene	8.94	95	8571	2.544	ug/L	88
35) Methylcyclohexane	9.19	83	13085	2.248	ug/L	99
37) 1,2-Dichloropropane	9.22	63	8566	2.516	ug/L	99
38) Bromodichloromethane	9.50	83	10999	2.533	ug/L	96
39) cis-1,3-Dichloropropene	9.93	75	12025	2.256	ug/L	88
40) 4-Methyl-2-pentanone	10.07	43	13997	4.654	ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

42) Toluene	10.25	91	33350	2.330	ug/L	98
44) trans-1,3-Dichloropropene	10.47	75	11136	2.277	ug/L	97
45) 1,1,2-Trichloroethane	10.65	97	6835	2.413	ug/L	94
46) Tetrachloroethene	10.72	164	7017	2.394	ug/L	95
48) 2-Hexanone	10.83	43	9145	4.262	ug/L	96
49) Dibromochloromethane	10.98	129	7845	2.358	ug/L	94
50) 1,2-Dibromoethane	11.09	107	6783	2.490	ug/L #	97
51) Chlorobenzene	11.51	112	23003	2.530	ug/L	97
52) Ethylbenzene	11.59	91	35948	2.338	ug/L	98
53) m,p-Xylene	11.70	106	14379	2.440	ug/L	96
54) o-Xylene	12.03	106	12548	2.237	ug/L	96
55) Styrene	12.04	104	21022	2.187	ug/L	98
57) 1,1,2,2-Tetrachloroethane	12.58	83	9076	2.426	ug/L	97
59) Bromoform	12.21	173	5014	2.281	ug/L #	94
60) Isopropylbenzene	12.32	105	31852	2.196	ug/L	98
61) 1,2,3-Trichloropropane	12.64	75	6591	2.499	ug/L	98
62) 1,3,5-Trimethylbenzene	12.81	105	24475	2.145	ug/L	100
63) 1,2,4-Trimethylbenzene	13.12	105	23369	2.085	ug/L	98
64) 1,3-Dichlorobenzene	13.36	146	17032	2.474	ug/L	94
65) 1,4-Dichlorobenzene	13.45	146	17559	2.490	ug/L	98
67) 1,2-Dichlorobenzene	13.73	146	15376	2.408	ug/L	98
68) 1,2-Dibromo-3-chloropropan	14.35	75	1620	2.703	ug/L #	68
69) 1,3,5-Trichlorobenzene	14.50	180	11340	2.381	ug/L	95
70) 1,2,4-trichlorobenzene	15.00	180	9333	2.276	ug/L	97
71) Naphthalene	15.23	128	17876	2.093	ug/L	98
72) 1,2,3-Trichlorobenzene	15.42	180	8892	2.364	ug/L	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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